

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/539,488
Source: PCT
Date Processed by STIC: 6-30-05

ENTERED

CRF Errors Edited by the STIC Systems
Branch

Serial Number:

10/539,488

CRF Edit Date:

6/30/65

Edited by:

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: (invalid beginning/end-of-file text ; ____ page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:

**Raw Sequence Listing before editing,
for reference only**



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/539,488

DATE: 06/30/2005

TIME: 15:26:14

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\06302005\J539488.raw

3 <110> APPLICANT: Agrinomics LLC
 5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
 7 <130> FILE REFERENCE: 6616-71295-07
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,488
 C--> 9 <141> CURRENT FILING DATE: 2005-06-17
 9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/040992
 10 <151> PRIOR FILING DATE: 2003-12-18
 12 <150> PRIOR APPLICATION NUMBER: 60/434,795
 13 <151> PRIOR FILING DATE: 2002-12-18
 15 <160> NUMBER OF SEQ ID NOS: 5
 17 <170> SOFTWARE: PatentIn version 3.2
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 1482
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Arabidopsis thaliana
 24 <400> SEQUENCE: 1

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29	caagatctcc	aaaactttta	cctctactta	caaaaacaacc	acacatctt	aaccatgttc	180
31	ttccttacc	tcgctctcg	gtcgactctt	tacctcatga	ccggcccaa	accggtttat	240
33	ctcggtgact	tttagctgcta	cctcccaccc	tcgcacatctca	aagccagcac	ccagaggatc	300
35	atgcaacacg	taaggcttgt	acgagaagca	ggcgctgg	agcaagagtc	cgattacttg	360
37	atggacttct	gcgagaagat	tctagaacgt	tccggctctag	gccaaagagac	gtacgtaccc	420
39	gaaggtcttc	aaacttgcc	actacaacag	aattttgctg	tatcacgtat	agagacggag	480
41	gaagttatta	ttggtgccgt	cgataatctg	tttcgcacaca	cgggaaataag	cccttagtgat	540
43	ataggtatat	ttgggtgtgaa	tcaaggact	tttaatccaa	cacccctcgct	atcaagtatc	600
45	ttagtgaata	agtttaaact	tagggataat	ataaaagagct	tgaatcttgg	tggatgggg	660
47	tgttagcgctg	gagtcatcgc	tatcgatgc	gctaagagct	tgttacaagt	tcatagaaac	720
49	acttatgctc	ttgtggtgag	cacggagaac	atcactcaaa	acttgcacat	gggtaacaac	780
51	aaatcaatgt	tggttacaaa	ctgtttgttc	cgtataggtg	gggcgcgcgt	tttgccttct	840
53	aaccggctca	tagatcgtaa	acgcgcacaa	tacgagcttgc	ttcacacccgt	gcgggtccat	900
55	accggagcag	atgaccgatc	ctatgaatgt	gcaactcaag	aagaggatga	agatggcata	960
57	gttgggttt	ccttgtaaaa	gaatctacca	atggtagctg	caagaacct	aaagatcaat	1020
59	atcgcaactt	tgggtccgct	tgttcttccc	ataaggcgaga	agtttcaactt	ctttgtgagg	1080
61	ttcgttaaaa	agaagttct	caaccccaag	ctaaagcatt	acattccgga	tttcaagctc	1140
63	gcattcgagc	atttctgtat	ccatgcgggt	ggtagagcgc	taatttgcgtat	gatggagaag	1200
65	aatcttcatc	taactccact	agacgttgag	gcttcaagaa	tgacattaca	cagggttgg	1260
67	aatacctctt	cgagctccat	ttgggtacgag	ttggcttaca	cagaagccaa	aggaaggatg	1320
69	acgaaaggag	ataggatttgc	gcagattgc	ttggggtcag	gttttaagtg	taatagttca	1380
71	gttgggtgg	ctcttcgtaa	cgtcaagcct	tctactaata	atccttggga	acagtgtct	1440
73	cacaaatatc	cagttgagat	cgatatacat	ttaaaagagt	ga		1482
76	<210>	SEQ ID NO:	2				
77	<211>	LENGTH:	493				

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Input Set : A:\pto.kd.txt
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78 <212> TYPE: PRT
79 <213> ORGANISM: Arabidopsis thaliana
81 <400> SEQUENCE: 2
83 Met Asp Tyr Pro Met Lys Lys Val Lys Ile Phe Phe Asn Tyr Leu Met
84 1 5 10 15
87 Ala His Arg Phe Lys Leu Cys Phe Leu Pro Leu Met Val Ala Ile Ala
88 20 25 30
91 Val Glu Ala Ser Arg Leu Ser Thr Gln Asp Leu Gln Asn Phe Tyr Leu
92 35 40 45
95 Tyr Leu Gln Asn Asn His Thr Ser Leu Thr Met Phe Phe Leu Tyr Leu
96 50 55 60
99 Ala Leu Gly Ser Thr Leu Tyr Leu Met Thr Arg Pro Lys Pro Val Tyr
100 65 70 75 80
103 Leu Val Asp Phe Ser Cys Tyr Leu Pro Pro Ser His Leu Lys Ala Ser
104 85 90 95
107 Thr Gln Arg Ile Met Gln His Val Arg Leu Val Arg Glu Ala Gly Ala
108 100 105 110
111 Trp Lys Gln Glu Ser Asp Tyr Leu Met Asp Phe Cys Glu Lys Ile Leu
112 115 120 125
115 Glu Arg Ser Gly Leu Gly Gln Glu Thr Tyr Val Pro Glu Gly Leu Gln
116 130 135 140
119 Thr Leu Pro Leu Gln Gln Asn Leu Ala Val Ser Arg Ile Glu Thr Glu
120 145 150 155 160
123 Glu Val Ile Ile Gly Ala Val Asp Asn Leu Phe Arg Asn Thr Gly Ile
124 165 170 175
127 Ser Pro Ser Asp Ile Gly Ile Leu Val Val Asn Ser Ser Thr Phe Asn
128 180 185 190
131 Pro Thr Pro Ser Leu Ser Ser Ile Leu Val Asn Lys Phe Lys Leu Arg
132 195 200 205
135 Asp Asn Ile Lys Ser Leu Asn Leu Gly Gly Met Gly Cys Ser Ala Gly
136 210 215 220
139 Val Ile Ala Ile Asp Ala Ala Lys Ser Leu Leu Gln Val His Arg Asn
140 225 230 235 240
143 Thr Tyr Ala Leu Val Val Ser Thr Glu Asn Ile Thr Gln Asn Leu Tyr
144 245 250 255
147 Met Gly Asn Asn Lys Ser Met Leu Val Thr Asn Cys Leu Phe Arg Ile
148 260 265 270
151 Gly Gly Ala Ala Ile Leu Leu Ser Asn Arg Ser Ile Asp Arg Lys Arg
152 275 280 285
155 Ala Lys Tyr Glu Leu Val His Thr Val Arg Val His Thr Gly Ala Asp
156 290 295 300
159 Asp Arg Ser Tyr Glu Cys Ala Thr Gln Glu Glu Asp Glu Asp Gly Ile
160 305 310 315 320
163 Val Gly Val Ser Leu Ser Lys Asn Leu Pro Met Val Ala Ala Arg Thr
164 325 330 335
167 Leu Lys Ile Asn Ile Ala Thr Leu Gly Pro Leu Val Leu Pro Ile Ser
168 340 345 350
171 Glu Lys Phe His Phe Phe Val Arg Phe Val Lys Lys Lys Phe Leu Asn
172 355 360 365

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175 Pro Lys Leu Lys His Tyr Ile Pro Asp Phe Lys Leu Ala Phe Glu His
176 370 375 380
179 Phe Cys Ile His Ala Gly Gly Arg Ala Leu Ile Asp Glu Met Glu Lys
180 385 390 395 400
183 Asn Leu His Leu Thr Pro Leu Asp Val Glu Ala Ser Arg Met Thr Leu
184 405 410 415
187 His Arg Phe Gly Asn Thr Ser Ser Ser Ile Trp Tyr Glu Leu Ala
188 420 425 430
191 Tyr Thr Glu Ala Lys Gly Arg Met Thr Lys Gly Asp Arg Ile Trp Gln
192 435 440 445
195 Ile Ala Leu Gly Ser Gly Phe Lys Cys Asn Ser Ser Val Trp Val Ala
196 450 455 460
199 Leu Arg Asn Val Lys Pro Ser Thr Asn Asn Pro Trp Glu Gln Cys Leu
200 465 470 475 480
203 His Lys Tyr Pro Val Glu Ile Asp Ile Asp Leu Lys Glu
204 485 490
207 <210> SEQ ID NO: 3
208 <211> LENGTH: 657
209 <212> TYPE: DNA
210 <213> ORGANISM: Glycine max
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <222> LOCATION: (653)..(654)
216 <223> OTHER INFORMATION: n is a, c, g, or t
218 <400> SEQUENCE: 3
219 ggaattcggc acgaggcaag tcctacggct gtgtcttcca agaagaagat gagacaaaaaa 60
221 gaattgggtg ggcactctca aaagacctaa tggctgtggc aggagagggcc ctaaagaccca 120
223 acatcacaac actaggaccc ttggtcctcc ctatgtcaga acagcttctt ttcttgccca 180
225 cattggtggc taggaaagtg ttcaagatga agataaaacc atacatccca gattcaagt 240
227 tggccttgc gcattttgc attcatgtcg gagggaggcc agtgttgat gagttggaga 300
229 agaatcttgc gctctctgat tggcacatgg agccctcaag gatgacacta aataaggttt 360
231 gtaacacttc tagcagttcc ttgtggatg aattggccca cactgaagcc aaagggagga 420
233 tcaagaaagg tgacaggact tggcagatgg cattgggtc agggtttaag tgcaacagt 480
235 ctgtgtggag ggcttgagg accatcaatc ctgctaagga gaacaatctt tggatggatg 540
237 agattcatga ctttcagtt catgtgccta aagtggcacc aattgcttcc taaattaatc 600
W--> 239 aaacatctt ttctttttt agtatgatc taaaattaaa gaaacttggc cannaac 657
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243 <211> LENGTH: 1130
244 <212> TYPE: DNA
245 <213> ORGANISM: Glycine max
247 <400> SEQUENCE: 4
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250 tttcggtgtgg gctgctctgc gctgcttctc tctaacaagc cggcagatcg aaggagggcc 120
252 aagtaccggc ttgtccacgt cgtgaggact catcgccggg ccgacgacaa ggcgttccgg 180
254 tggatggatgg aggacgaggta tgatgtggg aaaactgggtg tttccttgc taaggatttg 240
256 atggcaatttgc ctgggtggagc attgaagact aacatcacca cacttggcc tctgggtctg 300
258 ccaatttagtg agcagcttctt gttttcgtg actctgtga tgaacaagtt atttaaggct 360
260 ggtgtgaagc cttacataacc ggatttcaag cttgcatttg atcatttttgc tatccatgt 420
262 ggtggcaggc ctgtgattga tgagttggag aagaacctgc agctgcttcc tgagcatgt 480

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264	gaggcttcta	ggatgaccct	tcatagattt	ggaaacactt	cctcaagctc	cattggtat	540
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268	gcgtttggaa	gtggttcaa	gtgtaacagt	gcgggttggc	aggctctgag	aatgtgagg	660
270	ccttctccta	atggaccatg	ggaagattgc	attcataagt	atcctgtgga	aatagtacaca	720
272	tagtgatcat	agttcagttc	agttctcagt	cacatactct	ggctgctaca	acttaattca	780
274	gggtaccctt	cattagtttc	cagatccatt	gtctctctct	ctgttgaga	tttcattgtg	840
276	taattcactg	cctctttgt	gtttgatgat	tgtgatttt	cattgggta	aattcatgta	900
278	tctggagtaa	tatgatatgg	ggaattcctg	aattttttt	cttcctgctg	atgcacttat	960
280	gaatttttat	tttttagtc	ataaagtgc	gcctggtaa	cgaggcgtt	ataggccccg	1020
282	atgcgaaaat	actcccttga	catatgtagg	ggtgacggta	ccactgccc	ataattctct	1080
284	cccatatttt	tacgcaacga	ggaccctta	gcctcgcgga	ccagagctgc		1130
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288	<211>	LENGTH:	960				
289	<212>	TYPE:	DNA				
290	<213>	ORGANISM:	Gossypium arboreum				
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293	tggagaacat	tactctcaac	tgggacttcg	gcaacgaccg	atccatgcta	gtctctaact	60
295	gcttgttccg	tatggcggt	gccgcgatcc	ttctatcaa	ccggtcatcc	gatcgccgccc	120
297	gctccaagta	ccaaactcata	cacaccgtac	gaacccacaa	aggagccgac	gacaaatgct	180
299	acaactgcgt	cttccaaacgt	gaggacgaca	ccaaacgaat	aggcgttcc	ctctccaaag	240
301	acctcatggc	ggtcggccggc	gaagccctca	aaaccaacat	caccaccctc	ggtccattag	300
303	tctctccccat	gtccgaacaa	ctcctctttt	tcatacttt	agtagccga	aaagtcttca	360
305	aaatgaagat	caggccatac	atccccggatt	tcaaactagc	tttcgagat	tttgcattcc	420
307	atgcaggtgg	gagagccgtg	ttagatgagc	tagaaaagaa	ccttgagtc	tcatattggc	480
309	acatggaaacc	atcgaggatg	acactttaca	ggttcggtaa	cacgtcgagc	agctctttat	540
311	gttacgaact	agtttactcg	gaagccaaag	gaaggatccg	aaaaggtgat	cgacatggc	600
313	agattgcatt	cgggtcagg	ttaaatgca	acagtgtgt	atggaaagca	ttgaagacca	660
315	ttaatccagc	aaaggagaag	agtccatgga	ttgtatgaaat	tgtatgaaat	cctgtttatg	720
317	tgcctaaggt	ggccactgtt	tcttcttctt	cttcctccca	aaaaaccata	taatttcat	780
319	cattcaaagg	aagagaatag	agagaaagag	aggacttaat	cagtaattat	tagaactatg	840
321	atttattttt	tatttttta	catgttaat	tgtgtgtga	tttgaagatt	aatttattcc	900
323	aagttgaaga	tatatatata	taatttctt	ttcatttgca	aaaaaaaaaa	aagaaactcg	960

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/30/2005
PATENT APPLICATION: US/10/539,488 TIME: 15:26:16

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\06302005\J539488.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#: 3; N Pos. 653, 654

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/539,488

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Output Set: N:\CRF4\06302005\J539488.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:600